

**B/C 365-5****G09- 900774**

- 1 Ea. New latest model Truck Chassis with Asphalt Patching Machine meeting the following specifications, in accordance with manufacturer's standard published specifications:

CA: 144"

AF: 43"

AXLE, FRONT: 12,000 lbs. capacity with power steering.

AXLE, REAR: 23,000 lbs. capacity, single speed geared to run at 70 mph electronically governed at 65 mph.

BRAKES: Air with dryer and automatic moisture ejector.

FUEL TANK: 50 gallon step aluminum.

ALTERNATOR: 120 amps.

ENGINE: Diesel 255 HP 660 Ft. Lbs. torque in line 6 cylinder.

TRANSMISSION: 3500 RDS (5 speed).

COOLING SYSTEM: Radiator, extra cooling.

FRAME: RBM's 900,000.

SPRINGS, FRONT: 12,000 lbs.

SPRINGS, BACK: 23,000 w/auxiliary springs 2,000 lbs. each.

TIRES: Six (6) 11R22.5H, front and dual rear.

MIRRORS, REARVIEW: 7" X 16" western type, with 5" convex spot.

FACTORY AIR CONDITIONING.

AM/FM RADIO.

SEATS: Air suspension driver's seat with headrest and two man passenger seat fixed back with two integral headrest vinyl.

BODY BUILDER WIRING

REMOTE POWER MODULE with 6 inputs & 6 outputs

PTO accommodation for electric over hydraulic PTO

If 2010 model and 2010 emissions apply then it must be 2010 emissions standard compliant without additional hardware or diesel exhaust fluid.

All lights required to meet ICC and Federal Motor Carrier Safety Regulations.

Unit to be equipped with a Safety Back-Up Alarm meeting the following specifications:

To be an ECCO Model SA-905; 4" mounting centers; rectangular housing; 82 to 107 aB(A); Type B or factory equal.

Unit shall be capable of making permanent asphalt repairs under any weather conditions.

DIMENSIONS: 108"-112" Long; 78" wide; "49-50" high. Shall have safety step side fenders with integral lighting. There shall be a lockable tool storage compartment incorporated with the side fenders.

Surface of side fender shall be diamond-tread design with two ladders and body assist handles.

BODY CAPACITY: Asphalt aggregate hopper shall be at least 4cubic yards minimum, level full.

**BODY INSULATION:** The top metal door, aggregate hopper and emulsion/cut-back/tack oil tank to be insulated with 2" insulation encased in a double steel jacket that covers top, sides, ends and bottom of the patch unit and oil tanks.

**HEATING SYSTEMS:** The body shall have a dry radiant heat chamber heated by 2 each 150,000 BTU retort tube propane burners with vertical exhaust stacks. The exhaust stack dampers are electronically actuated to close when burners are off to reduce heat loss. The burners are thermostat controlled and regulated at 10 PSI. The ignition system is 12 volt DC with electronic igniter. Gas burner has a safety shut-off on loss of flame or excessive temperature. Automatic safety shut-off when diesel pump is operating. Burner has two stages, ignites on 10 oz. pressure, operates at 10 PSI, on high burn regulated by the same thermostat as the electric heater. Thermostats will be 0/300 degrees F solid state..

**ELECTRONIC CONTROLS:** All electronic controls will be solid state shock resistant. Thermostat for tack oil tank is 0/250 degrees F. Thermostat for asphalt aggregate hopper is 0/300 degrees F. Thermostat for the asphalt hopper has build in high limit safety shut down switch. Same thermostat controls the 12 volt LP Gas fired system and the 220 volt electric heating system.

**EMULSION OIL TANK CAPACITY & HEATING SYSTEM:** The tank capacity is 100 gallons and has a double steel jacket with 2" insulation. The tank is equipped with a heat transfer system that is capable of heating the emulsion oil to 150 degrees F., using the truck engine coolant system as the heat source. The emulsion pump and all lines are in an insulated heated area. The tank has 220 volt thermostat controlled dry well electric heater and hot well for storing the spray wand in cold weather. Tank has an 8" fill spout and a 2" gate valve on tank drain.

**FUEL:** Shall be propane 50 gallon capacity frame mounted bottle with quick fill connector, 10 psi regulator and fuel sight gauge.

**HAND TORCH:** Shall be propane, with minimum of 200,000 B.T.U. with shut-off valve and 10 ft. of hose. Torch shall be located at rear of truck. All necessary mounting brackets shall be furnished to allow torch to remain at rear of truck while in transit.

**TEMPERATURE GAUGE:** Shall be 3" dial type stainless steel that will constantly monitor the temperature of the liquid asphalt and heat transfer oil.

**ASPHALT/EMULSION OIL PUMP:** Shall be 1 1/2" self-priming, reversible, variable speed, and rotary gear pump with integral relief valve. Operating conditions shall be 20. G.P.M. at 1200 R.P.M. Operating pressure shall be 100 P.S.I.

**HYDRAULIC PUMP:** Shall be 12 G.P.M. min., 2,000 P.S.I. operating pressure, variable speed, gear type at 900 RPM.

**HYDRAULIC CONTROL VALVE:** Shall be five (5) spool directional, two-way variable flow with 2,000 P.S.I. relief valve; shall be operated from right rear corner of body by remote levers. The valve has an internal or external safety design that will protect the operator and not allow the screw conveyor or asphalt agitator to operate when the doors are open. This system is designed to divert hydraulic oil pressure back to the tank. Electric solenoids on hydraulic valve are not acceptable due to mechanical override feature and ease of bypassing system. The valve is operated from the rear of



machine by remote levers. To reduce maintenance problems the main directional control valve stack has no electric solenoids.

**HYDRAULIC OIL RESERVOIR:** Shall be minimum 30 gallon capacity with breather and sight gauge or dip stick. There shall be a large capacity, easy-access replaceable cartridge filter. Hydraulic oil cooler (8 tube thermal dynamic) 12 volt thermostat controlled.

**HYDRAULIC HOSE REEL:** Shall be minimum 3,000 P.S.I. w/dual 25' hydraulic tool lines. Reel is to be spring loaded, auto retractable.

**ASPHALT HAND SPRAYER:** Shall be 5' long x 3/8" diameter equipped with fan nozzle and 15' of 5/8" hose. Sprayer shall be controlled by a deadman control valve, which is reversible for cleaning and shall be able to spray while unit is moving.

**SCREW CONVEYOR:** Shall be 120" long x 6" diameter x 2" flights minimum; roller and ball bearing mounted. Shall be driven by forward and reversing hydraulic motor. Delivery chute with 120 degree of pivot.

**ASPHALT ANTI-BRIDGING AGITATOR:** Located in the asphalt hopper above the screw conveyor. Hydraulically operated forward and reversing, for breaking up asphalt bridging over the screw conveyor, if this occurs.

**PTO:** A Muncie or Chelsea Electric over air shift.

**THROTTLE:** An Electronic engine throttle control remote, rear mounted.

**DIESEL FUEL STORAGE:** Shall be minimum 18 gallons capacity with 12 VDC electric pump. There shall be a connector for flushing the oil pump and a 1" drain.

**HYDRAULIC HAMMER:** Stanley BR72, 59 lb. min. hammer and set of tools consisting of asphalt cutter, tamper shoe and detachable shank.

**SPOILS BIN** Located Behind Cab & In Front of Body: To be 30" wide with min. 1.25 C.Y. capacity and hydraulic dump.

**EXTRA TOOL BOX** Behind Cab & In Front of Body: 19" X 24" X 30". Door hinged (full-width) at bottom with weather proof seal. At least 12 gauge two sided, 40 steel.

**HYDRAULIC OPERATED STEEL DOORS:** Two hydraulically operated bi-fold steel doors. Doors are insulated with 2" of high temperature insulation in a double steel jacket. The doors have rain seal caps and flex plates to keep asphalt out of door hinges. Each door shall have a hydraulic cylinder with bypass and flow control valves.

**10 LB FIRE EXTINGUISHER:** Mounted outside of truck cab.

**STROBE LIGHT (TWO EACH):** Pedestal mounted near front of hopper equal to Brand Able-2, Model 22-0236 Amber on left, clear right.

**DIRECTIONAL ARROW BOARD:** To be mounted on the rear of patch unit with controls in the cab, Model 30X60-25LP, Brand Flexolite Signal or equal.

**HYDRAULIC LIFT PLATFORM:** To lower and lift vibratory compactor or vibrator roller, with locking brackets for State provided compactor, Ingersoll-Rand, 5 HP, 180 lb., plate 23"x19".

**WORK DECK:** The work deck is to be constructed of 1/4" angle iron and 3/16" expanded metal with assist hand rails and shall be mounted between hopper and truck cab. Deck to provide easy and safe access to emulsion oil tank and asphalt hopper.

**VIBRATORY COMPACTOR PLATE:** WACKER WP 1550AW Compactor equipped with a 5.5 hp gasoline Honda Engine with auto oil alarm shut down. Operating weight is 190#, centrifugal force 3375#, plate size 19.5 X 23", a water tank and locking holding down brackets.

**DIESEL FUEL HOSE REEL:** Hose reel for diesel fuel spray wand has 20' of hose. Reel is to be spring loaded auto-retractable.

**DRIP PAN:** A ten (10) gallon drip pan for waste oil combination mounted on the unit with necessary valve for draining.

**WATER TANK:** A frame mounted eight (8) gallon tank with valve and hose. Water supply for asphalt compactor plate with rust proof liner.

**HIGHWAY WARNING TRIANGLES:** A Highway warning triangle kit consisting of three (3) reflective triangles in a storage case.

**ASPHALT LUTE AND SHOVEL RACKS:** Spring loaded asphalt lute and shovel racks.

**COLOR:** White to match chassis.

**TECHNICAL DATA:** Successful bidder shall supply two (2) parts book, two (2) service and repair manuals, and two (2) operator's manuals, and 24 hours of training at the delivered location.

Patcher unit (unit mounted on chassis) shall be warranted (parts and labor) for twelve (12) months covering defects in materials and workmanship at delivery point.

Above equipment to be checked over and ready for service before delivery.

Completed unit to be delivered to "SHIP TO" location.

Warranty Card and Service Policy must accompany each vehicle when delivered.

Delivery date may be a factor in making award.